

Title (en)

Heat recovery in biowaste sterilization

Title (de)

Wärmerückgewinnung bei der Sterilisation von Bioabfall

Title (fr)

Récupération de chaleur par la stérilisation de biodéchets

Publication

EP 2402039 A1 20120104 (EN)

Application

EP 11397513 A 20110610

Priority

FI 20105757 A 20100702

Abstract (en)

According to the present invention a method for heat recovery in a device for the sterilization of biological material is provided. The present method eliminates the risk of contaminating the sterilized effluent with unsterilized biological material via the heat recovery system. In a device according to the invention, a heat recovery circuit is provided for transferring heat from the sterilized effluent stream to the biologically hazardous feed stream. Protection against contamination through leaks is obtained by maintaining at all times a pressure difference preventing biologically hazardous material from bypassing the heat treatment and flowing in the direction of the sterilized material.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [X] WO 03031336 A1 20030417 - STERIS EUROPE INC [FI], et al
- [X] US 6521133 B1 20030218 - ROEDIGER MARKUS [US]
- [X] WO 0057928 A1 20001005 - GAMBRO LUNDIA AB [SE], et al

Designated contracting state (EPC)

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DOCDB simple family (application)

EP 11397513 A 20110610; AU 2011203220 A 20110630; CA 2743298 A 20110615; ES 11397513 T 20110610; FI 20105757 A 20100702; MX 2011007078 A 20110630; US 201113159492 A 20110614